

ABSTRACT OF THE DISCLOSURE

A method for measuring the electromotive force of motors is provided. The method enables the motor to rotate in single phase mode, and thereby measures the electromotive force constant of the motor. According to the principles and the method, motors do not have
5 to work in close-loop. Neither encoders for detecting angle displacement or angle velocity are needed for motors, nor the motor impedance or current have to obtain in advance. Compared with the prior art, the disclosed method is more efficiency and economic.